



## African Chicken Genetic Gains

Highlights of the results of the ACGG baseline survey in Ethiopia

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# Practice of chicken keeping and distance to main season road of households in ACGG Ethiopia

Variable	n	Mean	SD	Min	Max
Chicken kept by HH (year)	1099	13.77	10.78	1	60
Distance of HH from all season road (km)	1078	2.18	2.74	0	20

HH who have been keeping chicken for more than one year (n=1066), 97 %

- ❖ 6-7 chicken in the past
- ❖ 14 in recent study in 8 weredas and 601 producers
- ❖ Increase In flock size and able to access inputs??

# Practice of keeping exotic/ crossbred birds in ACGG Ethiopia

Keep exotic/crossbred birds	Frequency (%)
Yes	28.48
No	71.52

More and more people are keeping exotics. Why??

Chicken breed	Region				Total
	SNNPR	Oromia	Amhara	Tigray	
Local	7.9	9.2	7.5	4.4	7.5
Cross breed	2.4	2.7	5.4	7.3	4.2
Pure exotic	9.9	8.7	5.1	17.3	11.8
Overall mean	14.8	13.9	9.5	17.4	14.1

## Frequency of households heads by gender

Gender	Freq (%)
Male	79.53
Female	20.47
Total	100

Chicken was supposed to be women's activity.  
What this number tells us is

- ❖ to take a good care to include women.
- ❖ Take a good care to include the voice of women

Variable	Descriptive	%
Sex of household head	Male	57.6
	Female	42.4

# Frequency of household heads gender by SNZ in ACGG Ethiopia

SNZ	Gender	
	Male (n) Frequency (%)	Female Frequency (%)
Addis Ababa	80.00	20.00
Amharic	87.67	12.33
Oromia	82.75	17.25
SNNRP	75.33	24.67
Tigray	67.40	32.60

Still male dominated socieity as decisoin is taken by male

## Willingness to build a separate poultry house if a new strain is given

Willingness to build a separate poultry house	Frequency (%)
Yes	94.36
No	5.64

### Why

- ❖ May relate to the ambition to increase production
- ❖ May be they understood the requirement of non-indigenous chicken for better management

Housing and health care practices used	% Respondents in each region				Total
	SNNPR	Oromia	Amhara	Tigray	
Separate houses built for chickens	31	33	40	81	51
No separate housing provided	69	67	60	19	49
Cost of chicken house construction, Birr	1883	3174	437	1161	1376

## Existing practice of giving supplementary feed to chickens at any time of the year

HH supplementing	n	Frequency (%)
Yes	1042	94.81
No	57	5.19

Supplementation as a common practice in a bid to increase productivity

Type of feeding practice	% Respondents in each Region			
	SNNPR	Oromia	Amhara	Tigray
Scavenging only (with only seasonal supplementation)	16	31	75	1
Scavenging regularly supplemented with homemade feeds	42	49	22	28
Scavenging supplemented with commercial feeds	13	0	3	56
Birds confined and provided commercial feeds mixed with other feedstuffs	0	0	0	0

## Percentage of households with different breed types

Breed type	percent of responses
Local	76.48
Improved local	0.68
Exotic	13.99
Improved exotic	0.15
Crossbred	8.7
Total	100

- ❖ The proportion of indigenous is going down, and that of exotic growing. The cross bred in between
- ❖ More productivity
- ❖ More commercial intention

Class of chickens raised	Region				Total
	SNNPR	Oromia	Amhara	Tigray	
Non specialized chickens kept for meat and eggs	80	89	86	61	79
Broiler breeds /for meat	0	4	3	1	2
Layer breeds / for eggs	20	7	11	38	19



# Ranking of purpose and objectives of keeping chicken by SNZ

Purpose and objectives	Rank index of chicken production purpose and objectives				
	Addis	Amhara	Oromia	SNNRP	Tigray
meat consumption	0.04	0.08	0.20	0.04	0.18
egg consumption	0.19	0.12	0.24	0.30	0.10
meat sale	0.04	0.00	0.02	0.01	0.00
egg sale	0.38	0.49	0.25	0.38	0.35
chick sale	0.23	0.12	0.15	0.10	0.09
ceremonies/festivals	0.00	0.18	0.02	0.03	0.08
give away	-	-			
cock fighting	-	0.00	0.00	0.00	0.00
live adult chicken sale	0.12	0.00	0.13	0.14	0.20

Purpose goes with market demand  
Egg sale appears important !!  
May call for layer breed.